

### Abstract

An electric field alignment method of liquid crystal display including the steps of: applying a first voltage to a gate terminal of a thin film transistor for driving a liquid crystal cell having ferroelectric liquid crystal, wherein the first voltage is below a threshold voltage of the thin film transistor; and supplying a second voltage for electric field alignment of the ferroelectric liquid crystal to the liquid crystal cell by using leakage current of the thin film transistor generated due to the first voltage.